Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/29/2019 12:49 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124941	-1	1.27	124995	1.26
Blue	F	SSC	125000	123618	-2	1.59	124433	1.54
Blue	E	FITC	16122	15630	-4	2.65	339	19.19
Blue	D	PE	29316	28713	-3	1.82	626	14.36
Blue	B	PerCP-Cy5-5	42590	42042	-2	3.50	1127	20.13
Blue	A	PE-Cy7	33146	33003	-1	5.90	632	40.53
Red	C	APC	45473	44864	-2	2.39	1583	12.19
Red	A	APC-Cy7	31961	31191	-3	2.34	825	12.02
Violet	B	V450	7914	7484	-6	4.70	417	13.09
Violet	A	V500	29769	28410	-5	4.53	659	10.54

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20790	4.18	607	7	N/A	N/A	Pass
Blue	F	SSC	56202	1.11	551	13	N/A	N/A	Pass
Blue	E	FITC	62	61.47	540	3	0.0221	122	Pass
Blue	D	PE	130	48.27	543	6	0.1688	256	Pass
Blue	B	PerCP-Cy5-5	206	49.06	649	11	0.0092	41	Pass
Blue	A	PE-Cy7	118	100.74	702	11	0.0111	18	Pass
Red	C	APC	377	25.80	588	9	0.0244	188	Pass
Red	A	APC-Cy7	182	29.07	565	9	0.0055	1121	Pass
Violet	B	V450	63	60.23	465	5	0.0580	2373	Pass
Violet	A	V500	99	31.13	477	5	0.0229	441	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.15	-31.82	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	15.27	13.60 - 20.40	N/A	N/A	29.64	29.89	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12547

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments